

B.A/ B.Sc. I

AIM: The main idea behind this paper is to give a conceptual background of the events and factors which influenced the course of history and helped in developing the art and science of war in India

PAPER-I

Evolution of the Indian Art and Science of War (up to 1857)

Part I

1. Military system in Vedic and Epic Age
2. Comparative study of Indo-Greek art and science of war with special reference to the Battle of Hydaspes (326 B.C.)
3. Mauryan Military System as described by Megasthenes
4. Kautilya's philosophy of war, Concept of Defence and Security, military organization and inter-state relations
5. Decline of Chariots and the importance of Elephants and Cavalry up to 7th century A.D
6. Rajput and Turk pattern of warfare with reference to the Battle of Somnath and Terrain up to 12th century A.D
7. Army Organization during Sultanate Period
8. Mughal Military System with reference to the Battle of Panipat – 1526 AD. Military System under Akbar and Aurangzeb

Part II

9. Maratha Military system with reference to irregular warfare of Shiva Ji Battle of Panipat 1761
10. Anglo-Maratha war with reference to the Battle of Assaye 1803 AD
11. Military Organization under Guru Gobind Singh and Ranjit Singh
12. Progressive nationalization of the India Armed Forces with reference to the nationalist environment
13. Nationalization of Indian Army after Independence

Book Recommended:

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| 1. Singh, S. D. | Ancient Indian Warfare with Special Reference to Vedic Period. |
| 2. Majumdar, B.K. | Military System in Ancient India. |
| 3. Majumdar, P..K. | Bhartiya Sena Ka Itihas. |
| 4. Fuller, J.F.C. | Generalship of Alexander the Great. |
| 5. Kangle, R.P. | Kautilya Arth Shastra |
| 6. Sarkar, J.N. | Military History of India. |
| 7. Singh, Nagendra | The Theory of Force and Organisation of Defence. |
| 8. Venkateswaran, A. L. | Defence Organisation. |

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| 9. Erskil | Memoirs Baleer. |
| 10. Ervin,I | Army of Indian Moghul. |
| 11. Ervin,I | Bhartiya Mughalon Ki Sainya Vyavastha
(Translated by R. Tewari). |
| 12. Sen, S.N. | The Military System of Maratha. |
| 13. Duff Grant | Marathon ka Itihas. |
| 14. Bhajhawa, F.S. | The Military System of Marathas. |
| 15. Sen, S.N. | Military System of Sikhs. |
| 16. Tripathi, R.P. | Rise and Fall of the Moghul Empire. |
| 17. Longer, V. | Red Court of Olive Green. |
| 18. Fortesque | History of British Army. |
| 19. Maj. R.C.Kulshrestha | Kautilya's Philosophy of War. |
| 20. Maj. R.C.Kulshrestha
B.L.Sharma | Bhartiya Sainya Vigyan. |
| 21. Maj. R.C.Kulshrestha | An Introduction to Dhanurveda. |
| 22. Prasad R. and Singh
Singh, R. N. | Bhartiya Sainya Itihas Ki Ruprekha. |

(Other Books as recommended by teachers)

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PAPER-II

Evolution of the Indian Art and Science of War (1858 to date)

Part I

- 1. Post – 1857 period and re-organization of the Indian Army under the Crown**
2. Amalgamation of the Presidency Armies and Kitchener's Reforms
3. Indian Armed Forces during the World War II
4. Indianisation of the Armed Forces
5. Partition of the Armed Forces

Part II

6. Military Operations in Kashmir (1948)
 - a. Kashmir Dispute: Genesis and Progression
 - b. Military Operations
 - c. Politico-Military Lessons
7. Sino-Indian War(1962)
 - a. Background of the Sino-India Border dispute
 - b. Military Operations
 - c. Politico-military lessons
8. Indo-Pakistan War(1965)
 - a. Background and causes with reference to Kutch operations
 - b. Military Operations with special reference to the land battles
 - c. Role of Navy and Air Force
 - d. Politico-military lessons
- 9- Indo-Pakistan War (1971)
 - a. Genesis and Causes
 - b. Military Operations on the Western Front
 - c. Military Operations on the Eastern Front
 - d. Role of Air Force and Navy in the military operations
 - e. Emergence of Bangladesh
 - f. Politico-military lessons
- 10- Kargil Conflict (1999)
 - a- Genesis and causes
 - b- Military operations
 - c- Politico military lessons

Part III

- 11- Concept and the application of the Principles of War with special reference to the conflicts
- 12- Indian Defence: Contemporary scenario

Books Recommended:

- 1- Singh Nagendra – ‘The Theory of Force and Organization of Defence
- 2- Longer V. - ‘Red Coat to Olive Green ‘
- 3- Prasad B. –‘The Indian Armed Forces in World War Second’
- 4- Sen S.N. - ‘ Eighteen Fifty Seven’
- 5- Chopra M.K. – ‘ India in Search of Power’
- 6- Gupta Sisir - ‘Kashmir’
- 7- Singh Bhupendra – ‘Indo-Pak Conflict over Kashmir’
- 8- Akbar M. J. – ‘ india and Siege Within’
- 9- Cohen S.P. - ‘The Pakistan Army’
- 10- Cohen S.P. –‘ The Indian Army’
- 11- Delvi J.P. _ ‘Himalayan Blunder’
- 12- Kaul B.M. _ ‘ The Untold Story’
- 13- Sinha S. - ‘ The Chinese Aggression’
- 14- Maxwell N. _ ‘ India- China War of 1962’
- 15- Mankeker D.R. _ ‘ Twenty Two fateful Days’
- 16- Singh Harbaks _ ‘Indo-Pak Conflict 1965’
- 17- Palit D.K. _ ‘The Lightning Campaign’
- 18- Singh S. _ ‘ Liberation of Bangladesh’
- 19- Akhtar J.D. - ‘ The Sage of Bangladesh’
- 20- Thompson R. –‘War in Peace’
- 21- Kavic L.J. _ ‘India’s Quest for Security’
- 22- Saigal J.R. _ ‘Un-fought War of 1962’
- 23- Thomas,Raju G.C. –‘Defence of India-A Budgetary Perspective’

(Other books as recommended by teachers)

1. **B.A/ B.Sc. I**

PAPER-III

War and Peace in Contemporary World

1. Conceptual framework of War and Peace
 - a. War: Concept and Theories
 - b. Peace: Concept and Approaches
2. Modern /warfare: Conventional, Nuclear, Guerrilla and Irregular Warfare, Limited and Specialized Warfare with reference to Mountain, Desert and Jungle warfare, Terrorism as a new mode of conflict, Economic Warfare
3. Regional Cooperation and Collective Security
4. Disarmament and Arms Control: Preliminary Treatment
5. Role of United Nations in Peace-keeping and Peace Building
6. War as an Economic Problem
7. Defence and Development
8. Mobilization of Resources
9. Post-war Economy and Reconstruction
10. Arms Aid and Trade
11. Settlement of Disputes, Enemy character, Effects of the outbreak of war
12. Forces, Enemy Character, Effects of the Outbreak of war
13. Nuclear Warfare and Laws of War
14. Conventional warfare and Laws of war

Books Recommended:

- 1- Maurice Clark J. – ‘Reading in the Economics of War’
- 2- Charles,K.Hitch _ ‘Economics of Defence in the Nuclear Age’
- 3- Semour E. Morris _ ‘Post War Economic Problems’
- 4- Rajani Kothari _ ‘World Order’
- 5- Morgenthau -‘Politics Among Nations’
- 6- Gerald,J. –Defence Psychology’
- 7- Boring -‘ Psychology in the Armed Services’
- 8- Oppenheim, I. -‘Use of Force by States and International Law’
- 9- Pokrovsky, A. L.-‘ science and Technology in Contemporary War’
- 10- Knor Klaus -‘Science and Defence’
- 11- Hastings Carry L. P. –‘The Scientific Revolution and World Politics’

(Other books as recommended by teachers)

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Practical

Experimental Exercise Work	:	45 marks
Viva-voce	:	15 marks
Records	:	5 marks
Total	:	65 marks

Course Contents of the practical-

1. Introductions and interpretation of topographical sheets, conventional signs and grid system
2. Scale construction and Inter-conversion
3. Bearing and Inter-conversion of bearings
4. Compass: Prismatic Liquid and its uses during day and night
5. Determination of Individual Compass Error
6. Determination of positions on gridded map
7. Inter-section and Re-section on Survey maps of hilly regions to determine inter-visibility between two points by Gradient method, Section-drawing and Proportion sum method
8. Traversing

Books Recommended:

- 1- Hazari Lal- 'Samarik Manchitra Pathan'
- 2- Chaudhary Nagendra Singh -' Manchitra Adhyayan'
- 3- J.M. Srivastava -' Manchitra Adhyayan'
- 4- Balwant Singh -' Manchitra Adhyayan Ki Saral Vidhi'
- 5- Gale and Polden-' Complete Guide to Map Reading'
- 6- Esson -'Map Reading Made Easy'

(Other books as recommended by teachers)